

Investigate

Restate the Problem: Briefly explain in your own words what the challenge is and what it has to do with density. _____

Trail 1

Step#1: Design expectations

1. Create ONE possible raft design. Sketch it below.

Step#2: Create expectations:

1. Create your raft.
2. While building, it's okay to make small changes to your original design. Describe the changes in the space below.

3. What changes (if any) did you make to your original design? Why?

Step#3: Evaluate

Step#4: Reflect

How many pennies did your raft hold? _____

What would you change to improve your raft? Think about both small changes and big changes that might make your raft successful.

Trail 2

Step#1: Design expectations:

1. Create ONE new raft design. Sketch it below.

Step#2: Create expectations:

1. Build the raft.

Step#3: Evaluate

How many pennies did your raft hold? _____

Step#4: Reflect

How does this raft compare to the first one you built(trial 1)?

Why was it more or less successful?

One idea if you had a chance to do a third trial.